Jing Wang

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Education

PhD student, Statistics
Univerisity of Connecticut, Storrs, Connecticut, USA *2021.9–present*

Master of Science, Statistics
AMSS, Chinese Academy of Sciences, Beijing, China *2018.9–2021.6*

Bachelor of Science, Mathematics and Applied Mathematics
Central South University, Changsha, China *2014.9–2018.6*

Positions

Research Assistant
Department of Statistics, University of Connecticut, Storrs, Connecticut, USA *2022.1–present*

Teaching Assistant
Department of Statistics, University of Connecticut, Storrs, Connecticut, USA *2021.9–present*

Honors & Awards

Summer Fellowship, Department of Statistics, University of Connecticut *May, 2024*
Pre-doctoral Fellowship, Department of Statistics, University of Connecticut *Jan., 2024*
Best Performance in Probability, Department of Statistics, University of Connecticut *Oct., 2023*
Best Performance in Inference, Department of Statistics, University of Connecticut *Oct., 2023*
MassMutual Student Paper Award. 36th New England Statistics Symposium *Jun., 2023*
Summer Fellowship, Department of Statistics, University of Connecticut *Jun., 2023*
Fairfield & Dolores Smith Award, Department of Statistics, University of Connecticut *Oct., 2022*
Gottfried Noether Award, Department of Statistics, University of Connecticut *Oct., 2022*
Munich RE/HSB Student Poster Award, 34th New England Statistics Symposium *Sep., 2021*
Best student paper(2nd class), 15th seminar of Uniform design Profession Committee of CMS *Jun., 2021*
Distinguished Graduates, Central South University *Jun., 2018*
2016 S.T.Yau College Mathematics Contests Honorable Mention in Probability and Statistics *Jul., 2016*

Publications

[1] Jing Wang, HaiYing Wang, and Kun Chen. Discussion of 'Statistical inference for streamed longitudinal data'. *Biometrika*, 110(4):863–866, 11 2023.

[2] Jing Wang, HaiYing Wang, and Shifeng Xiong. Unweighted estimation based on optimal sample under measurement constraints. *Canadian Journal of Statistics*, 52(1):291–309, 2024.

[3] Jing Wang, HaiYing Wang, and Hao Helen Zhang. Scale-invariant optimal sampling for rare-events data with sparse models. *submitted to Neural Information Processing Systems*.

[4] Jing Wang, Jiahui Zou, and HaiYing Wang. Sampling with replacement vs poisson sampling: a comparative study in optimal subsampling. *IEEE Transactions on Information Theory*, 68(10):6605–6630, 2022.

Teaching Experiences

STAT 1100Q. Elements of Statistics (018D, 032D), Spring 2023

STAT 1000Q. Introduction to Statistics I (027D-029D), Fall 2022

Research Interests

Subsampling algorithms, Rare-events data analysis, Transfer-learning, Data fusion

Conference Presetations

(1) Subsampling for transfer learning, 37th New England statistis symposium, University of Connecticut, Storrs, Connecticut, May, 2024

(2) Scale-invariant optimal sampling and variable selection with rare-events data, 2023 seminar on design of experiments and uncertainty quantification, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing, China, Jun., 2023

(3) Scale-invariant optimal sampling and variable selection with rare-events data, 6th international conference on design of experiments, University of Memphis, Memphis, Tennessee, May, 2023

(4) Unweighted estimation based on optimal sample under measurement constraints, 2022 joint statistical meetings, Washington D.C., August, 2022

(5) Unweighted estimation based on optimal sample under measurement constraints, 15th seminar of Uniform design Profession Committee of CMS, Zhongnan University of Economics and Law, Wuhan, China, Jun., 2021

Skills

Programming languages:: julia, R, python, Matlab

Editorial tools:: LaTeX, Emacs, VS code

Other tools:: Linux, git, github